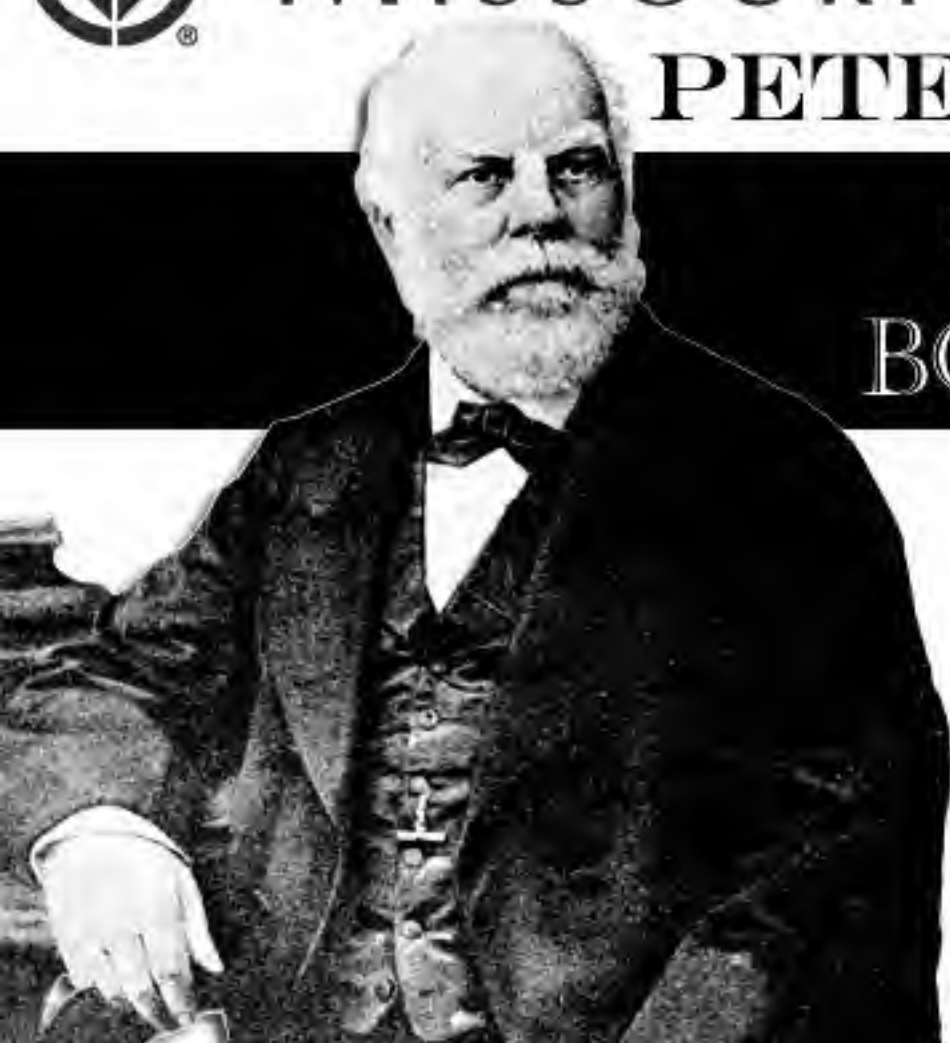




MISSOURI BOTANICAL GARDEN PETER H. RAVEN

GEORGE ENGELMANN
BOTANICAL



*Since
page
online
nu*

754. *E. granulate*

Ischedda, Arab.

Thompson 1836

is *E. Chaumeyi*?

after seed exam - Minute Nov '54
I think it is *granulate*?
too young.

E. Chaumeyi Colosae, Roum
^{smooth}
is a form with a little smaller
involucre, with small appendages
— seeds 0.55, deeply granulate



0 1 2 3 4 5 6 7 8 9 10

cm

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6996

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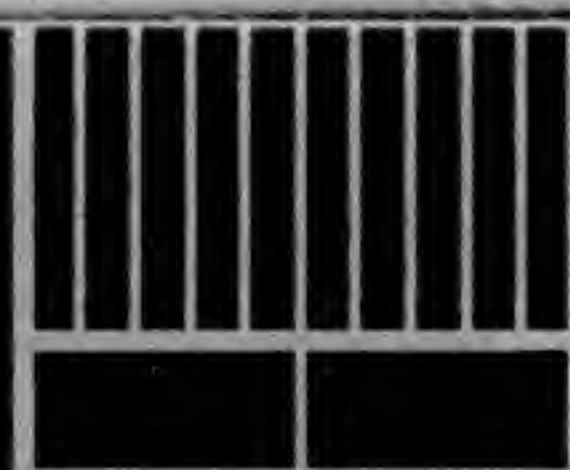


Euph. melanaden

var. ~~optunagu~~

Dr Newberry !

*leaves of the small
branches*



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81

Euphorbia cordifolia Ell.

S. Carolina - Texas.

β

441



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82

20

Euph. Pseudo Chamnesyze

C. A. Meyer

Ind. sem. Hort. Petrop. 1843

E. chamnesyze Pallas

Meyer in Fl. Ledeb.

Asia

Japan

E. humifusa Willd herb. 9283

sine patria

E. confusa B. in hb. Legd. Ant.

(Java)

& Zollinger. N. 641

E. goeringii Steud. M. Goer.

442-5



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83

76

Euph. albomarginata Torr & Gr.

Texas

New Mexico

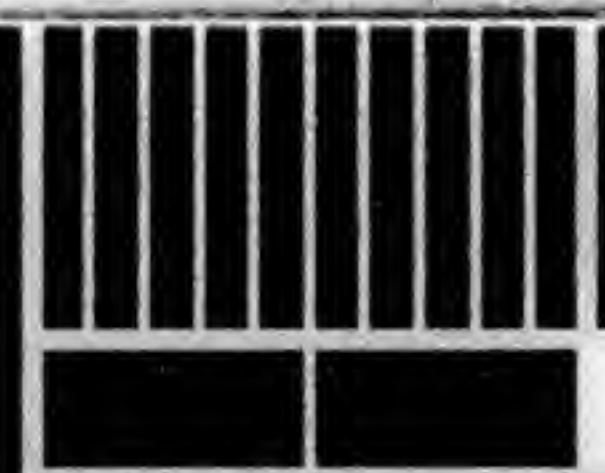
California

Mexico

? *E. glaucescens* Willd HB No 2987= *E. Kleinii* Schlecht. n. sp. = HB Willd.

Ind orient.

446-452



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cm

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7000

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62
84

12

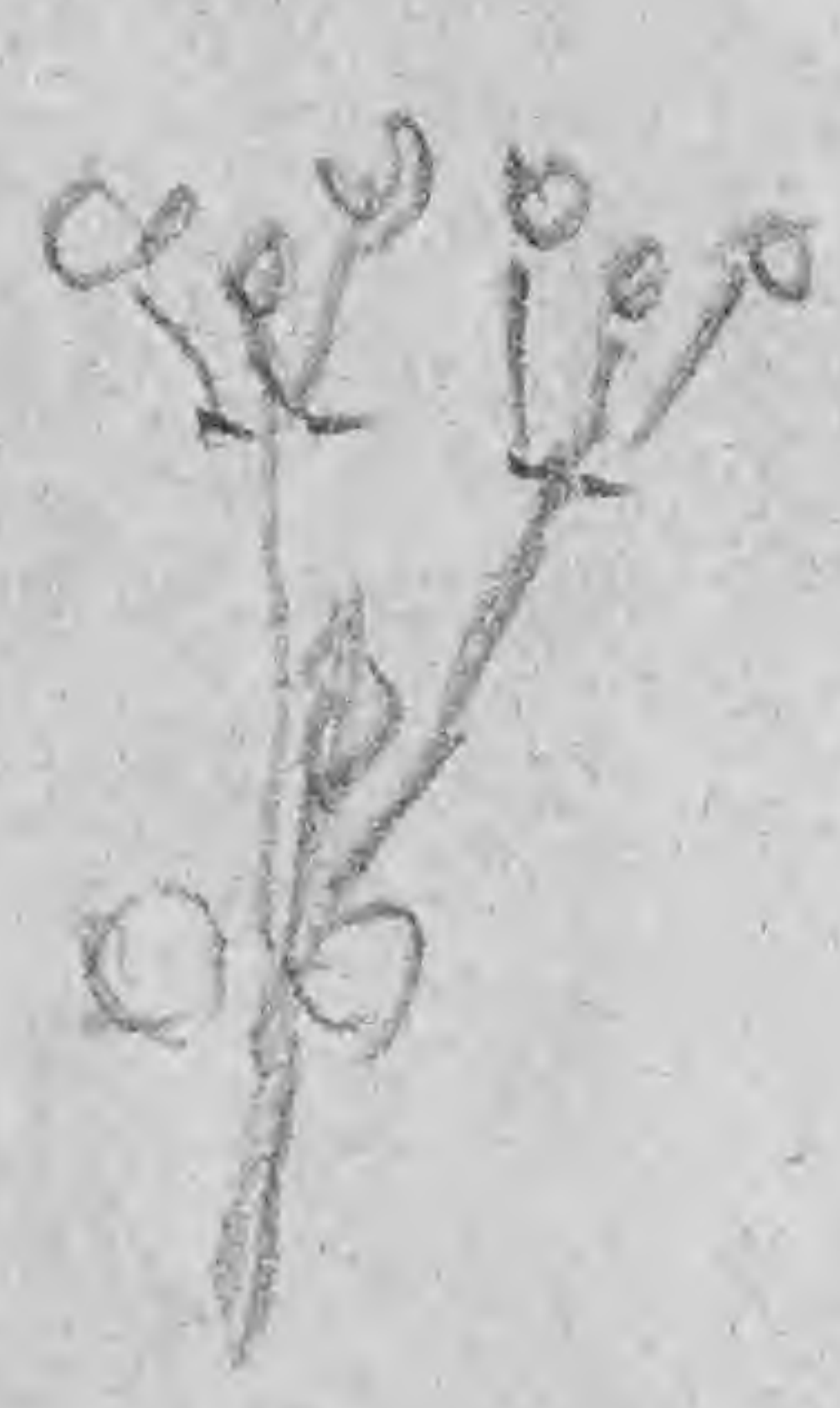
Loph. rotundifolia

Hook Arn !

Bot Beechey 46

Chil:

Ex hb Hook.



"suffruticosa" diffuse gleberrima
 foliis, stipulatis saepe emarginatis
 et leviter cordatis, nervosis
 stipulis ovatis, ~~membranaceis~~
 densius
 cymis terminalibus, ~~laxis~~ paucifloris
 pediculis aequalibus, imbricatis
 filamentis defloratis mucronatis
 exsertis.

7001

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[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page]



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cm

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85,

E. Hartwegiana B.

Mexico



x 10

0.6 line

Color sharp
Reddish



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cm

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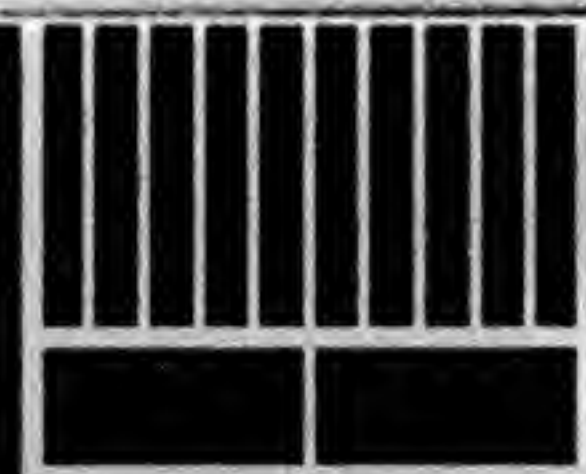
86

156.

Euph. orbiculata HBK !

Sta Fe de Bogota, Humboldt

455-6



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cm

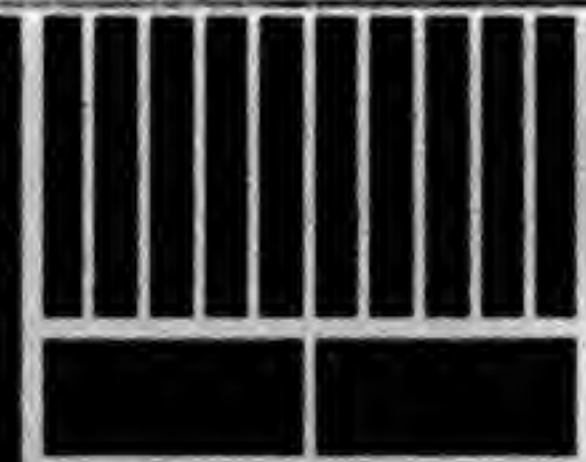
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cm

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89 B

49

E. cinereus

157

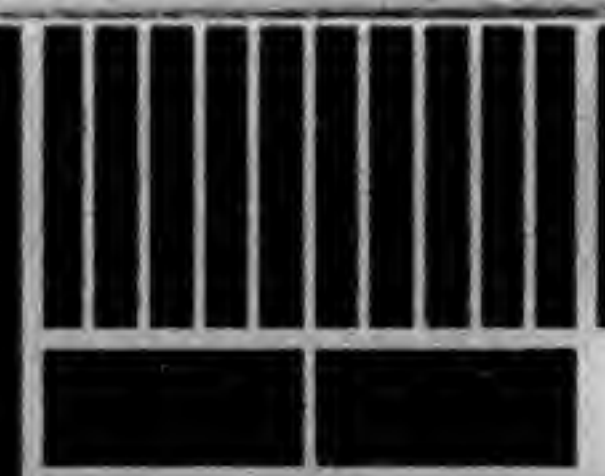
11 Mexico
California

= *E. melanadenia* Torr.
in Bot Whipt.

Ann. A. A. R. IV. 135
1856

457-460

2



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cm

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cm

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89

Euph. melanadenia var. *sem undulatis* June 14 1876

187 at Larkens P. Calif. Dr. Palmer 1875

x10

0.6 cm
1.3 mm

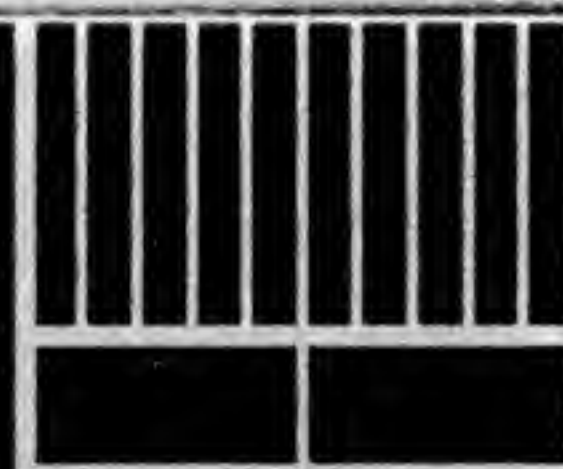
broad appendages

x10

no appendage
on later flowers

W. W.

erectae lignosae perenni multicaulis erectis; albida
 inoana; foliis basi oblique deltoideo ovatis obtusis integris
 longius stipulis subulatis pilosis, involucris singulis axillaribus
 pedunculatis petiolo peraequalibus involucris ipso brevioribus
 glandulis atris purpureis, prioribus luteis emarginatis appendiculatis
 ultimis inappendiculatis (natis) ovum albo villosis, stigmatibus exsertis
 brevibus atris purpureis; capsula inoana, semin. linearibus, transversis rug

0 1 2 3 4 5 6 7 8 9 10
cm

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7005

Leitch & Corlies

DRUGGISTS

South West
Corner Fifth
and Market
Streets.

3-4 inches high gray or white leaves,
purple flowers, glands & styles
leaves 1-2 lin long
capsule 1 lin long nearly
seed 0.6 lin long very narrow

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0 1 2 3 4 5 6 7 8 9 10

cm

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90

20

E. tomentella n. sp.

Mexico

Berkeley 1358 x 1360

4.64



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cm

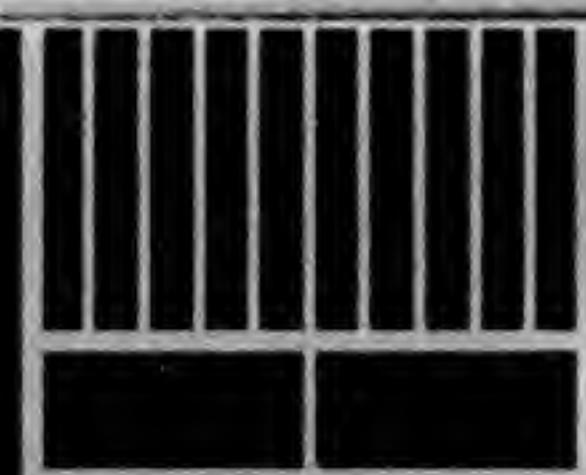
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cm

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91

30

E. emarginata Bonpl.

Brasil: Sellow

462



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cm

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7007

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cm

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93

Euphorbia disticha nov. spec

Ani (Himalaya) Hügel

N 3649 Hb. Vind.

Good, Bodrum Aug 27 1860 (Euph 93,
near corrigioloides Boiss

radice perenni prostrata, ~~glaberrima~~
 foliis glaucis ^{medio} rubromaculatis
 coriaceis, oppositis distichis,
 internodiis longioribus orbiculato
 ovatis, v. oblongis basi oblique cordatis
 obtusis v. emarginatis
 nerv. nervorum latis, integris
 v. (siccis solum?) (cartilagineo
 serrulatis sub lente)
 stipulis triangularibus plerumque
 indivisis, ciliatis, denticulatis
 anthod. ad apicem ramulorum et in
 umbellulis axillis fol. super.
 umbellulis - glomeratis.
 glan. luteo albo-marginatis
 petiol. breviss. exsertis
 stylis
 sem. par. obtus. angulat. ferebilibus

0 1 2 3 4 5 6 7 8 9 10
cm

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resembles somewhat *E. umbellata*
but that has rough seeds,
~~the~~ more tristigmatica
or albomarginata; this last
has larger stipules; diff.
disposition of flowers



0 1 2 3 4 5 6 7 8 9 10

cm

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95

E. trachysperma Day

464-5



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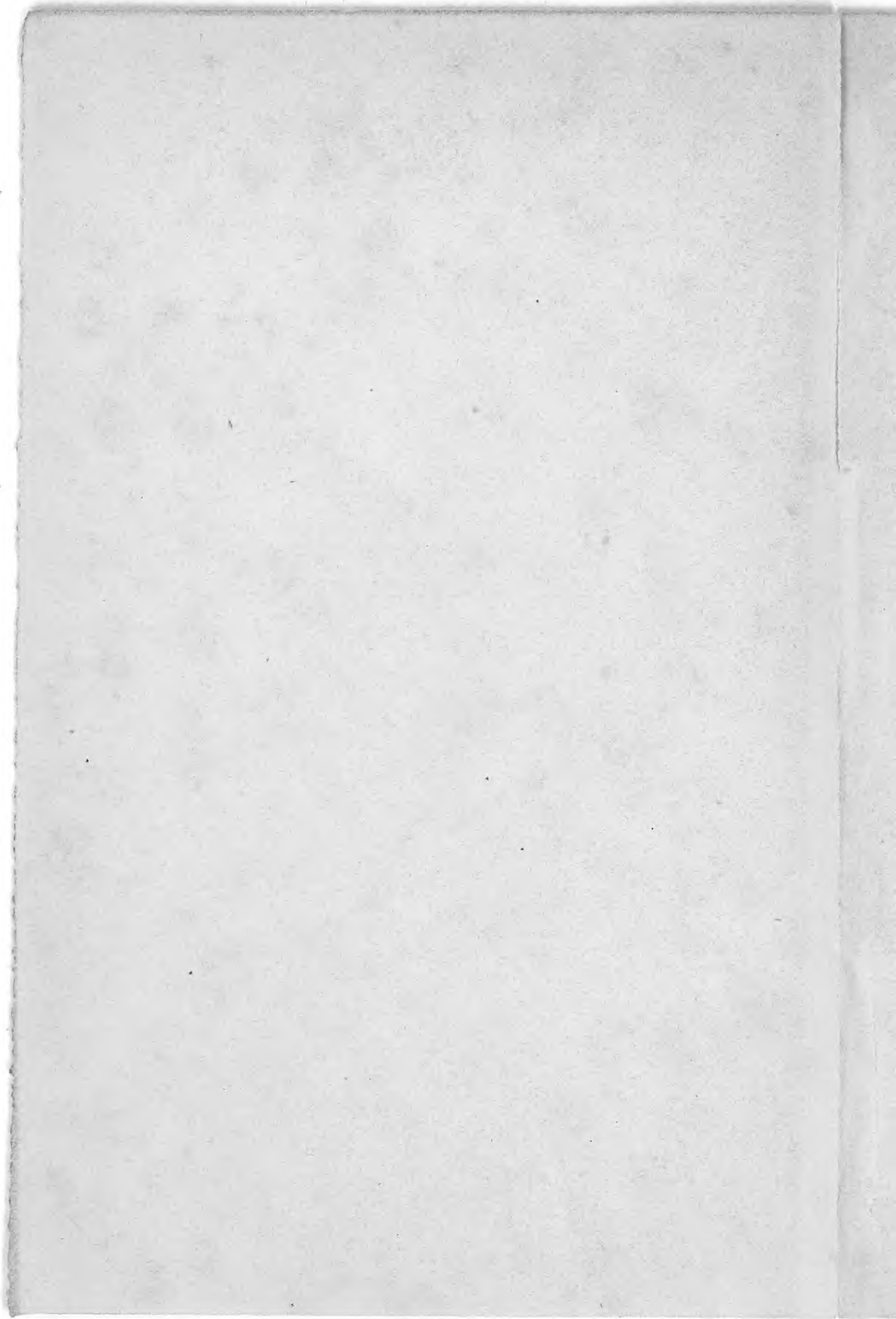
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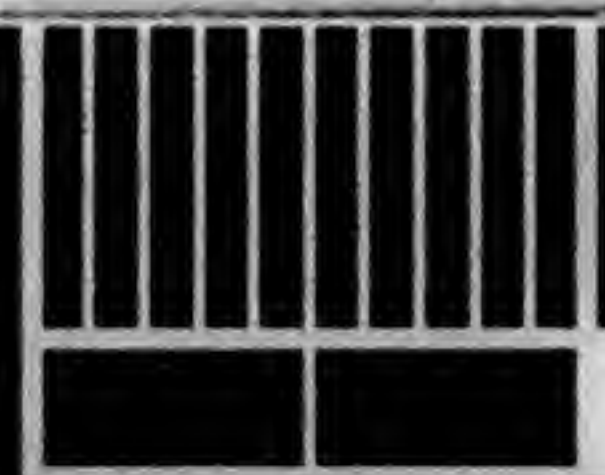
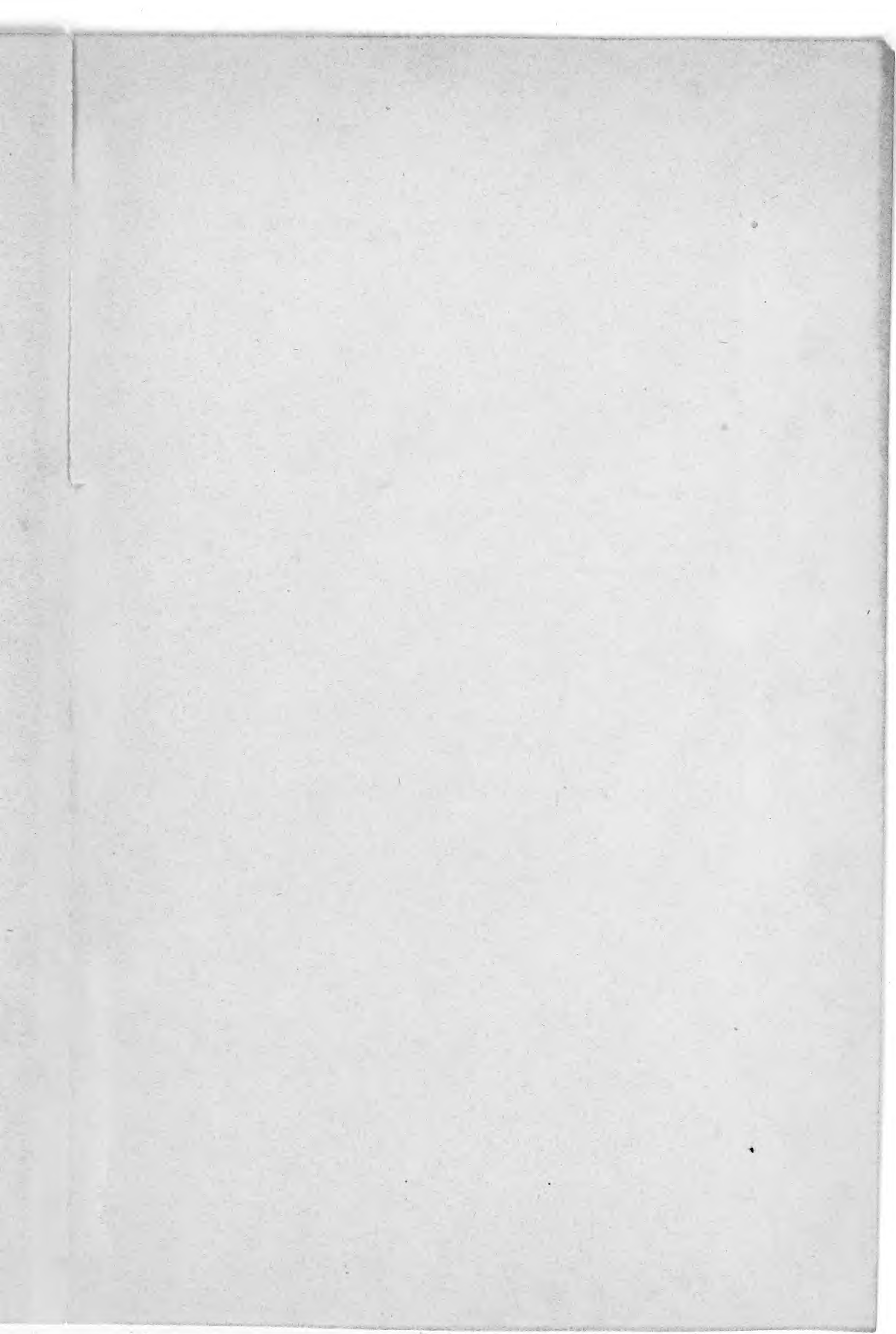
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7009

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examinata

Scor (Corymb)

U. umbellata

Emp. alba

U. virginiana

5.5



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cm

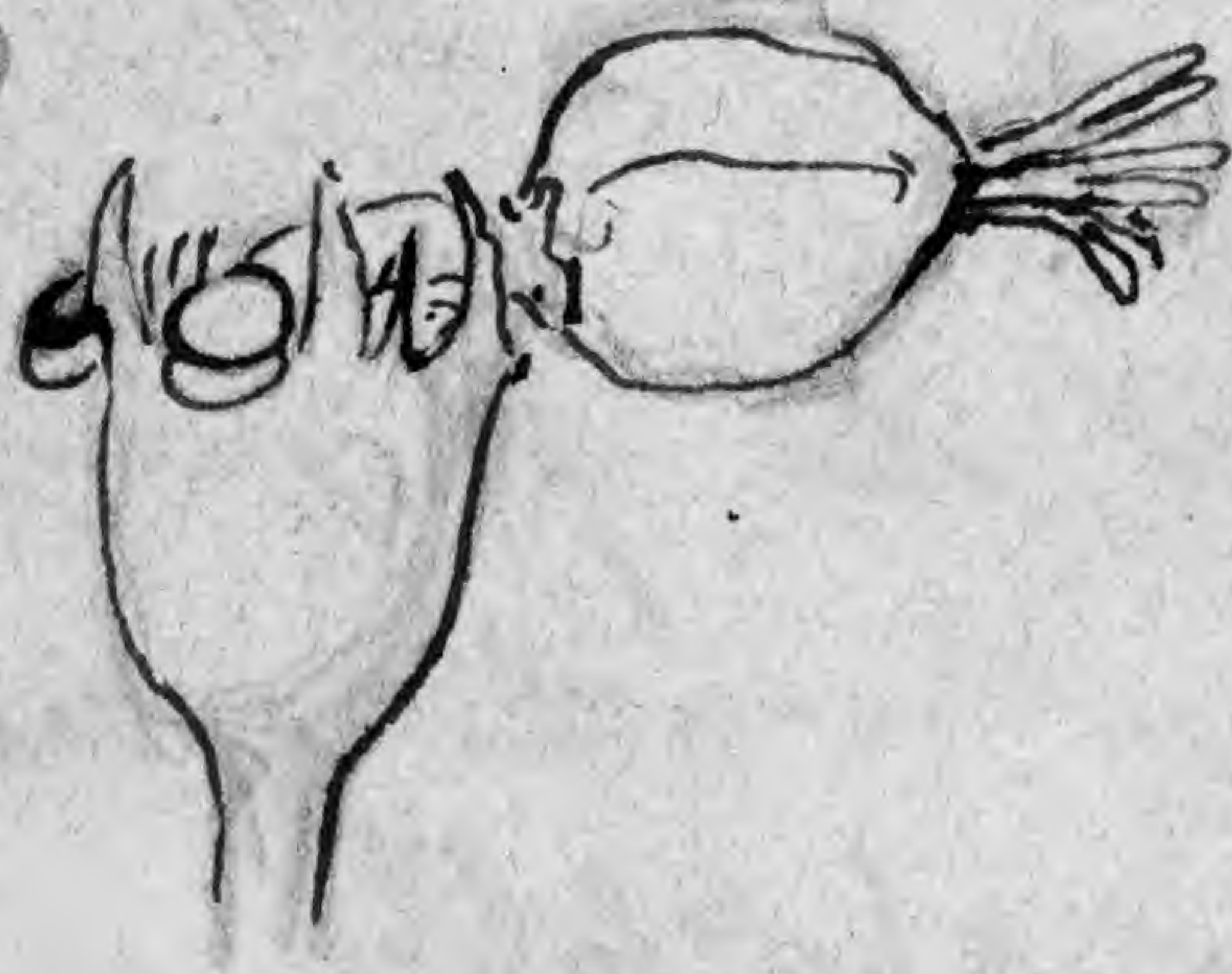
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495
105

trachyspermum E. Wright 1832
~~hypericaceae~~



corolla pedalis, ann. glaberrima
lobis ~~oblongis~~ ^{oblongis}
basi subaequalibus, serratis
antheris, oblongis, obtusiusculis
involucris 12 l. long 3 lat.
stipulis filiformibus
lobis pediculis, pedunculatis
petiolis superis
invol. white (2 or usually)
4 glands with very narrow
white margin. lob. lanceol
style bifid blunt ^{acuminate}
caps obtus; sem 4 angulata



0 1 2 3 4 5 6 7 8 9 10

cm

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GARDEN

1871

~~Sharp angles, notch, smooth~~
1.0 x 0.6



like ~~fruit~~
almost smooth
or slightly pitted

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7010

1871 84



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cm

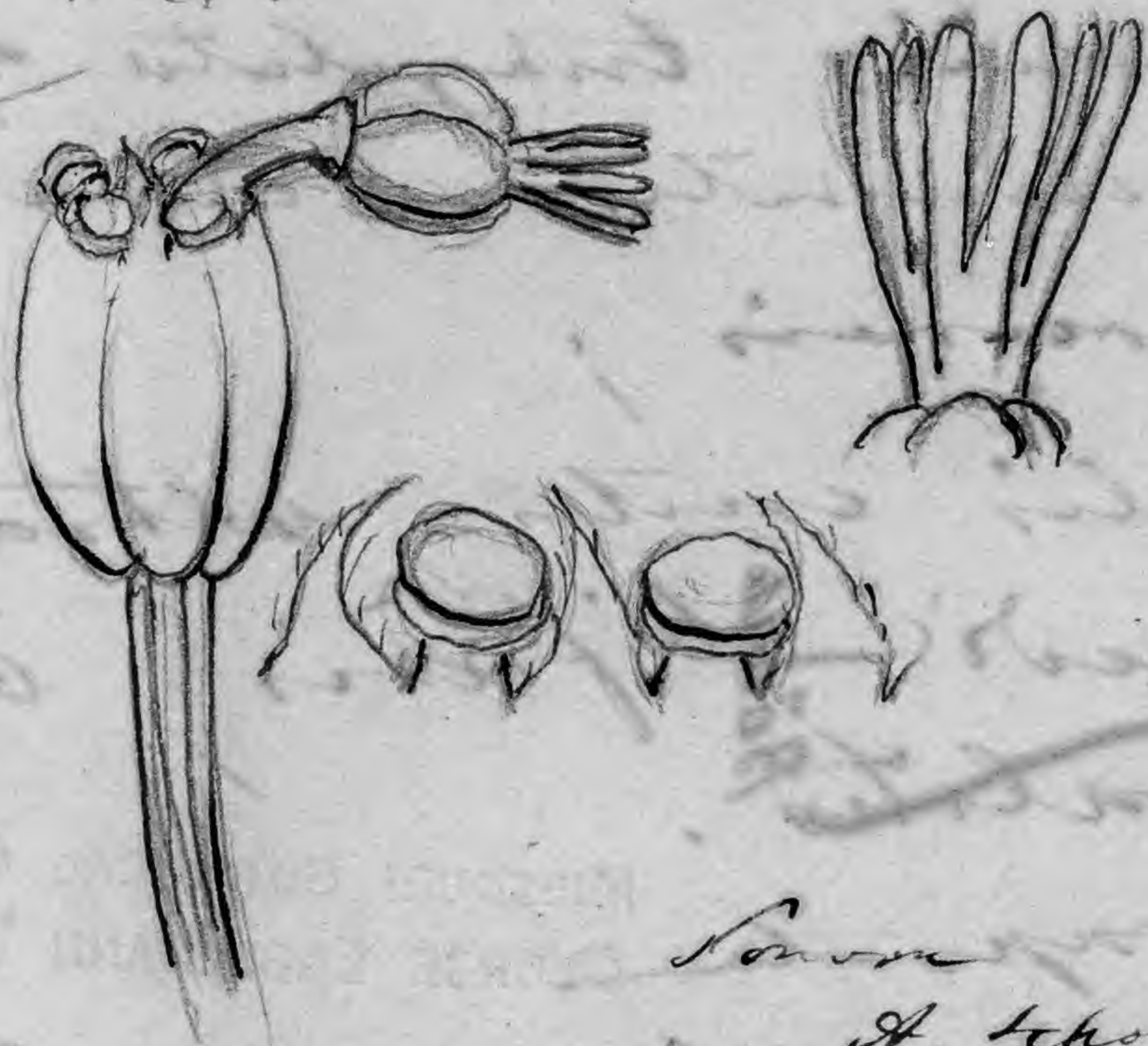
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956. *E. uricollata*

1899



Sonora

H. Schott

near *tristis* from

annua erecta patula, glabra
 v. ut nodos paucos puberula
 foliis oblongo-linearibus sub-
 aequalibus, infra glaucis
 argute serratis - serratis,
 basi serratis apice obtusiusculis
 stipulis binis lanceolatis
 subulatis utraque fimbriatis
 antheris alaribus, longis
 pedunculatis, pedunculo angulato
 antheris uricollatis, pentagonis
 apice contractis, glandulis
 argute uricollatis - appressatis,



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cm

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laevius trigulatus affinis
arvensis oritidis
ruribus;

stylis erectis ultra
medi^{Böckl.} bifidis basi
coalescentibus.

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capsulae seminatae ignotae

4-6 inches high, young
specimens, - habit of
S. eximius; leaves
10-15 l by 2-2 1/2
broad. anthers
remotely arranged
Petals 1 line in length
1.2 -

young specimens of virginiana.

7011



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cm

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MISSOURI
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GARDEN

96

33

E. Lemula

11 May

464



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cm

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